200800109

No.

THE UNITED STATES OF AMERICA

Pioneer Hi-Bred International, Inc.

There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE MAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TRUE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID LIPE LANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY LARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REMOBEHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE LATTO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR ING IT OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE VIRE SEED OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'91Y20'

In Vestimony Thereof, I have hereunto set my hand and caused the seal of the Hunt Huristy Frotestion Office to be affixed at the City of Washington, D.C. this twentieth day of August, in the year two thousand and eight.

Allost:

Ol~Zm

Commissionor Plant Variety Protoction Offico Agricultural Marhoting Sorvico Colmand T. Schafe

f Agricultur

Paul D. Hoel	ling	SIGNATURE OF OWNER	
NAME (Please print or type)		NAME (Please print or type)	
Paul D. Koelling			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Process Improvement Manager	01/25/2008		

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a, Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
 U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety.

According to the Peperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is estimated to everage 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and mainteining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political ballets, reprisel, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TOD)

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety 91Y20

Variety 91Y20 evolved from a cross made in the winter of 1999/2000 in Puerto Rico with the following parentage:

Parentage = YB15K99/R03171RE

YB15K99 = MO01718/9204 R03171RE = 93B82/90B72*

*90B72 is a commercial variety with the Roundup Ready® (40-3-2) gene

Variety 91Y20 is an F4-derived line which was advanced to the F4 generation by modified single-seed descent. The F4 progeny row of 91Y20 was grown in a plant row yield trial in Minnesota in the summer of 2002. Subsequently, 91Y20 has undergone five years of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, Phytophthora resistance, Brown Stem Rot tolerance, and resistance to Roundup® branded herbicides; variety 91Y20 was assigned a commercial number.

The purification block was grown in the summer of 2005 in Minnesota and 41 sub-lines were harvested. A half (0.50) acre increase was grown in Argentina in 2005/2006. Sixteen (16) acres of parent seed stock (foundation seed equivalent) were grown in the summer of 2006. Approximately 618 acres of seed stock and production seed were grown in the summer of 2007.

Exhibit B. Statement of Distinctness

Soybean Variety 91Y20

Variety 91Y20 is most similar to Pioneer variety 91B03. Both varieties have purple flowers, light tawny pubescence, yellow seed with black hila, brown pod wall, resistance to *Phytophthora megasperma* as governed by the Rps1k gene, and resistance to Roundup branded herbicides. However, 91Y20 and 91B03 have different isozyme profiles as indicated by the table below.

Variety	ACO2	ACO4	MPI	PGM1
91Y20	2	3	В	1
91B03	1	1	A	2

Variety 91Y20 is most similar to Croplan Genetics variety RT1321. Both varieties have purple flowers, light tawny pubescence, yellow seed with black hila, brown pod wall, and resistance to Roundup® branded herbicides. However, 91Y20 has resistance to *Phytophthora megasperma* as governed by the Rps1k gene, whereas RT1321 has no resistance to *Phytophthora megasperma* as governed by the Rps1k gene.

According to the Peperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where epplicable, sex, mantal status, familial status, parantal status, religion, sexual orientation, genetic information, political beliefs, reprisel, or because all or part of an individuel's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE

EXHIBIT

AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY Sovbean (Givcine max (L.) Merr.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
Pioneer Hi-Bred International, Inc.	XB12R07	91Y20
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country	0	FOR OFFICIAL USE ONLY
7300 N.W. 62nd Avenue, P.O. Box 1004, Joh	nston, IA, 50131-1004	PVP NUMBER # 2 0 0 0 0 1 0 9
) when number is either 99 or less or 9 or less respectively. ve data should be determined from varieties entered in the sa	ame trial. Royal Horticultural Society or
all questions for your variety; lack of response may delay		Please answer
A. MORPHOLOGY: Seed Shape: 2 1 = Spherical (LW, L/T, and T/W ratios ≤1.2)	2 = Spherical-Flattened (L/W ratios> 1.2; L/T ratios ≤ 1.2)	$\mathbb{Q} \mid \mathbb{Q} \mid$
3 = Elongate	·	
(L/W ratios > 1.2; T/W ratios ≤ 1.2)	4 = Elongate-Flattened (L/T ratios ≥ 1.2; L/W ratios ≥ 1.2)	
Seed Coat Color: * 1 1 = Yellow 2 = Green 3 = Brown Seed Coat Luster: 1 1 = Dull 2 = Shiny	own 4 = Black 5 = Other (Please specify)	I
Seed Size: * 17.2 grams/100 seeds (rounded to	the nearest decimal (00.0))	
Hilum Color: * 6 1 = Buff 2 = Yellow 3 = Brown 7 = Other (Please specify)	wn 4 = Gray 5 = Imperfect Black 6	6 = Black

Δ.	MORPHOLOGY:	(continued)
Λ.	MON HOLOUI.	(COHEH IGEG)

Cotyledon Color:

1 = Yellow

2 = Green

Seed Protein Peroxidase Activity:

1 = Low

2 = High

See Section I for Comments

Hypocotyl Color:

* 3 1 = Green 2 = Green with Bronze

3 = Light Purple below Cotyledons 4 = Dark Purple extending to unifoliolate leaves ('Hodgson',

('Evans' or 'Davis') Band below cotyledons

('Woodworth' or 'Tracy')

('Beeson' or 'Pickett 71')

'Coker', or 'Hampton 266A')

Leaf Shape:

3 | 1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please specify)

Flower Color:

2 1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

* 2 1 = Tan

2 = Brown

3 = Black

Pubescence Color:

* 3 1 = Grav

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

* 3 1 = Determinate

2 = Semi-determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

4 1 = 0006 = 111

2 = 007 = IV

8 = V

4 = 19 = VI 5 = II

11 = VIII

12 = 1

13 = X

14 = XI

10 = VII15 = XII

Maturity Subgroup:

Please enter a value from 0-9

B. DISEASE REACTIONS: 0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

NOTE: Failure to supply information for at least 5 of the following disease reactions will result in significant delay in the examination process. Items denoted by and asterisk are the disease reactions most useful in the examination process.

Bacterial

- Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- 1 Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

- Brown Spot (Septoria glycines Hemmi)
- Frogeye Leaf Spot (Cercospora sojina Hara)
- 0 race 1
- 0 race 3
- 0 race 5
- race 7

- race 2
- race 4
- race 6
- Important: Any other races tested (Please specify)

В.	DISEA	SE REA	CTIONS:	(continued)
----	-------	--------	---------	-------------

	0	Target Spo	t (Co	rynespora c	assiico	la (Berk. & Cu	rt.) V	Vei)					
	0	1						a (Naum.) Syd	d. Ex	: Gäum)			
	0					fusa Cke. & Pl		. , ,		,			
	2	Brown Ster	n Rot	: (Phialopho	ra greg	ata (Allington	. <i>*</i> & Cl	namberlain) W	. Gar	ms.)			
*	0	7						acc. var. cauliv		•	well)		
*	1	Pod and St	em B	light (<i>Diapo</i>	rthe ph	aseolorum (Cl	се. &	Eli.) (Sacc. va	аг <i>. sc</i>	ojae (Lehman	ı) Wel	nm.)	
	0	7						Tomoyasu) Ga		-		ŕ	
	1	Rhizoctonia	a Roo	t Rot (<i>Rhizo</i>	octonia	solani Kühn)				·			
	0	Asian Soyb	ean F	Rust (<i>Phako</i>	spora į	oachyrhizi Syc	w. (a	a.k.a. <i>Phakosp</i>	ora j	pachyrhizia S	ydw.)))	
	0	Other (Pleas	se specify) _					e.				
pe	cify	the gene(s)	codin	a for reaction	n to Ph	nytophthora Re	oot F	Rot.					
•	0	Rps1	0	_	2	Rps1-k	0	Rps3-b	0	Rps5	n F	Rps?	
	_	(Williams)		(Arksoy)	_ _	(Kingwa)		(Pl 172.901)		(PI 91.160)		(Nezumisaya, C	X939, OX940
	0	Rps1-a (Mukden)	0	Rps1-d (Pl 103.09	1)	Rps2 (CNS)	0	<i>Rps3-c</i> (Pl 340.046)	0	Rps6 (Altona)			
	0	Rps1-b (Sanga)	0	<i>Rps1-e</i> (Pl 172.90	7) 0	<i>Rps3-a</i> (Pl 171.442)	0	<i>Rps4</i> (Pl 86.050)	0	<i>Rps</i> 7 (Harosoy)			
⊃h'	vtor	ohthora Root	Rot (Phytophthol	ra soiae	e (Kaufmann 8	& Ge	rdemann))					
` : '	0	race 1	0	race 9	0	race 17	0	race 25	0	race 32	0	race 39	
	0	race 2	0	i	0	race 18	0	race 26		race 33		race 40	
	0	race 3	0	i	0	race 19	0	race 27		race 34		race 41	
	0	гасе 4	0	race 12	0	race 20	0	race 28		race 35	_	race 42	
	2	race 5	0	race 13	0	race 21	0	race 29		race 36		race 43	
	0	race 6	0	race 14	0	race 22	0	race 30		race 37	0	race 44	
	2	race 7	0	race 15	0	race 23	0	race 31		race 38	0	race 45	
	0	race 8	0	race 16	0	race 24	0	Important: An	y oth	ner races test	ted (F	Please specify) _	
	1	Bud Blight (Tobac	cco Ringeno	nt Virue	١							
		Yellow Mosa		.									
*		Cowpea Mo	-			•							
	1	Pod Mottle (•		· ii doj							
*	1	Seed Mottle			-)							
ا بھا۔		ode	` '			,							
oy I	_	·		·	— <u> </u>	nes Ichinohe)							
[=	race 1		۲	0 rac								
	=	race 2	_	ace 5	0 rac								
	0	race 3	0 ra	ace 6	0 Imp	ortant: Any ot	her r	aces tested (F	leas	e specify)			

В.	DI	SEASE REACTIONS: (continued)
	0	Lance Nematode (Hoplolaimus columbus Sher)
	0	Southern Root Knot Nematode (<i>Meliodogyne incognita</i> (Kofoid & White) Chitwood)
	0	Northern Root Knot Nematode (<i>Meliodogyne hapla</i> Chitwood)
	0	Peanut Root Knot Nematode (<i>Meliodogyne arenaria</i> (Neal) Chitwood)
	0	Reniform Nematode (Rotylenchus reniformus Linwood & Olivera)
	0	Javanese Nematode (<i>Meliodogyne javanica</i> (Treub) Chitwood)
	0	Important: Other Nematodes tested (Please specify)
C.	PH	YSIOLOGICAL RESPONSES: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
`	0	Iron Chlorosis on Calcareous Soil
	0	Phosphorus 0 Important: Other (Please specify)
	0	Boron
	0	Aluminum
	0	Salt
	0	Drought
D.	INS	SECT REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
٠.	0	Mexican Bean Beetle (Epilachna varivestis Mulsant)
		Soybean Aphid (<i>Aphis glycines</i> Matsamura)
		Potato Leaf Hopper (<i>Empoasca fabae</i> (Harris))
		Important: Other (Please specify)
		Important. Other (Fledge specify)
E.	HE	RBICIDE REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Metribuzin
	0	Bentazone
	1	Sulfonylurea
*	2	Glyphosate
	1	Glufosinate
	0	Pendimethalin
	0	Important: Other (Please specify)

F. TRANSGENIC COMPOSITION:

Has the development of the subject variety included the insertion of genetic material from an organism other than a soybean, or, the removal of genetic material from the application variety?

If yes, please complete the following information requests*. Use additional pages if necessary.

✓ Yes

No

- 1. Please state the vector's name:
- 2. Please state the vector components:
- 3. Please describe the genetic material successfully transferred into the subject variety:
- 4. Please describe the insertion protocol:
- * A literature citation(s) explaining the four information requests above may be an acceptable alternative to completion of the "Transgenic Composition" portion of this form.

G. BIOCHEMICAL MARKERS:

Please describe any additional genetic and/or biochemical information which you believe will be helpful in further describing the subject variety here (e.g., Single Nucleotide Polymorphisms (SNPs), Simple Sequence Repeats (SSRs), Restriction Fragment Length Polymorphisms (RFLPs), Isozyme characterization, etc.). Use additional pages if necessary.

H. STATISTICAL DATA FOR APPLICATION AND CITED MOST SIMILAR VARIETIES:

Please provide paired comparison data and appropriate statistical test (e.g. LSD. Std. error, ANOVA, Mann-Whitney *U*-test or Kruskal-Wallis Test, etc.) value (95 or > probability level).

Variety	No. of days Maturity	Plant height (cm)	% Linoleic acid	% Oleic acid	% Linolenic acid	% Other fatty acids (specify)	% Total oil	% Protein (Plant dried down to%)
Application Variety Year/Location 1								
Year/Location 2								·
Cited Most Similar Variety Year/Location 1								
Year/Location 2 LSD .05								

I. COMMENTS:

Number 1:

The Transgenic Composition section is fully addressed in the following publication. Specific details of this vector components and insert elements are summarized in Figure 1 and Table 1 on page 1453. Padgett, S.R. et al. Development, Identification, and Characterization of a Glyphosate-Tolerant Soybean Line. 1995. Crop Science. 35:1451-1461.

Number 2:

91Y20 is rated as resistant to Brown Stem Rot. On a scale of one to nine with one being fully susceptible, and nine being complete resistance; 91Y20 is rated eight.

Number 3:

91Y20 is not rated high or low for seed protein peroxidase activity. 91Y20 is 64 percent low and 36 percent high for peroxidase activity.

Exhibit D. Additional Description of the Variety

Soybean Variety 91Y20

In Exhibit C we have identified variety 91Y20 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 91Y20 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 91Y20 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety 91Y20 is an early Group 1 variety. If Group 1 varieties are divided into tenths, the relative maturity of 91Y20 is 1.2.

REPRODUCE LOCALLY. Include form number and edition date on a	ll reproductions.	ORM APPROVED - OMB No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to dete certificate is to be issued (7 U.S.C. 24 confidential until the certificate is issue	21). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
Pioneer Hi-Bred International, Inc.	OR EXPERIMENTAL NUMBER XB12R07	91Y20
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5, TELEPHONE (Include area code)	6. FAX (Include eree code)
7300 N.W. 62nd Avenue	(515) 253-2197	(515) 253-2288
P.O. Box 1004	7. PVPO NUMBER	
Johnston, IA 50131-1004	#20080(1100
8. Does the applicant own all rights to the variety? Mark an "X" in the	e appropriate block. If no, please expla	n. YES NO
9. Is the applicant (individual or company) a U.S. national or a U.S. I	based company? If no, give name of co	ountry. 🗸 YES 🗌 NO
40. In the applicant the original guard.		of the fallentings
10. Is the applicant the original owner? ✓ YES	NO If no, please answer one	or the following:
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Nationa ✓ NO If no, give name of count	
b. If the original rights to variety were owned by a company(ies) YES	✓ NQ If no, give name of countr	y
11. Additional explanation on ownership (Trace ownership from origi	inal breeder to current owner. Use the re	verse for extra space if needed):
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licens	-	
 If the rights to the variety are owned by the original breeder, that p national of a country which affords similar protection to nationals of 	erson must be a U.S. national, national of the U.S. for the same genus and speci-	of a UPOV member country, or es.
If the rights to the variety are owned by the company which emplo- nationals of a UPOV member country, or owned by nationals of a genus and species.	yed the original breeder(s), the company country which affords similar protection t	must be U.S. based, owned by o nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	eet one of the above criteria.
The original breeder/owner may be the individual or company who di Act for definitions.	rected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, control number. The valid OMB control number for this information collection is 0581-055, including the time for reviewing the instructions, searching existing data sources, gathering	The time required to complete this information collect	tion is estimated to average 0.1 hour per response.
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and a marital or family status, political baliefs, perental status, or protected genetic information. (No communication of program intermedia (Agrillo Jones viet outlieture etc.) hours extract.	activities on the basis of race, color, national origin, get tot all prohibited bases apply to all programs.) Person	nder, religion, ege, disability, sexual orientation, s with disabilities who require alternative means for

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGARDING DEPOSIT

NAME OF OWNER(S) Pioneer Hi-Bred International, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	TEMPORARY OR EXPERIMENTAL DESIGNATION XB12R07			
	P.O. Box 1004 Johnston, IA 50131-1004	VARIE 91Y20			
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	FOR OFFICIAL USE ONLY			
Paul D. Koelling		PVPQ NUMBER			
Cassie J. Prochaska	Johnston, IA 50131-1004	#200800109			

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

ald hoelling

January 25, 2008